

## EXHIBIT 1. INTRODUCTION

### 1.1. SCOPE

<b>Reference:</b>	<ul style="list-style-type: none"><li>• FCC Part 15, Subpart C, Section 15.247</li><li>• FCC Part 15, Subpart E - Unlicensed National Information Infrastructure Devices</li></ul>
<b>Title:</b>	Code of Federal Regulations (CFR) Title 47 - Telecommunication, Part 15
<b>Purpose of Test:</b>	The tests covered in this test report were performed for Class II Permissive Change Authorization in accordance with FCC 15, Subpart C, Section 14.247 for operation in the Frequency Band 2400 - 2483.5 MHz and FCC Part 15, Subpart E for Unlicensed National Information Infrastructure (U-NII) devices operating in the 5.15-5.25 GHz (indoor operation only), 5.25-5.35 GHz and 5.725-5.825 GHz bands.
<b>Environmental Classification:</b>	<ul style="list-style-type: none"><li>• Residential</li><li>• Light-industry, Commercial</li><li>• Industry</li></ul>
<b>Class II Modifications applied to the original product:</b>	<p>Some electronic components were changed as compared with the original certified product in order to bring the Access Point in compliance with the European Directive 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS, lead is allowed only in soldering). The details of modification are as below:</p> <ol style="list-style-type: none"><li>1. The shields were modified and the plating is done only with tin</li><li>2. New internal antennas (Actiontec # 0180-0002G000 - right, # 0180-0003G000 - left) same gain as old EE5801 (lead-free)</li><li>3. External antennas (Joymax Electronics #FWX-614RSXXX-514) same gain as old ones (lead-free)</li><li>4. All 10K resistors (lead-free)</li><li>5. 22uF aluminum electrolytic cap (lead-free)</li><li>6. Power Jack (lead-free)</li><li>7. SMT diode (lead-free)</li><li>8. Power transistor (lead-free)</li><li>9. FLASH IC (lead-free)</li></ol>

### 1.2. RELATED SUBMITTAL(S)/GRANT(S)

None.

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- All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)